

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051126

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G11B20/00 G10L19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B G10L G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DEPOVERE G ET AL: "Secret key watermarking with changing keys" 10 September 2000 (2000-09-10), , PAGE(S) 427-429 , XP010530642 the whole document	1-4,8-16
Y	WO 02/09328 A (KONINKL PHILIPS ELECTRONICS NV) 31 January 2002 (2002-01-31) page 2 - page 3; figures 1,2	1-4,8-16
A	ZHAO J: "a www service to embed and prove digital copyright watermarks" FRAUNHOFER INSTITUTE, no. 2, 28 May 1996 (1996-05-28), pages 695-709, XP000199921 the whole document	1-3,5,8, 9,14,15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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23/12/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 361 136 A (SONY UK LTD) 10 October 2001 (2001-10-10)  page 3 - page 13; figures 1-5 -----	1-5, 8-10, 14-16
A	US 2002/028000 A1 (CONWELL WILLIAM Y ET AL) 7 March 2002 (2002-03-07) paragraph '0008! - paragraph '0034! paragraph '0049! - paragraph '0054! -----	1-4, 9, 14-16
A	ANONYMOUS: "Video Watermarking content protection technology" INTERNET, December 2001 (2001-12), XP002223003 figure 5 -----	1, 5
A	CANO P ET AL: "Robust Sound Modeling for Song detection in Broadcast Audio" JOURNAL OF THE AUDIO ENGINEERING SOCIETY, AUDIO ENGINEERING SOCIETY, NEW YORK, US, 10 May 2002 (2002-05-10), pages 1-7, XP002275123 ISSN: 0004-7554 the whole document -----	1-4
A	US 6 505 160 B1 (RHOADS GEOFFREY B ET AL) 7 January 2003 (2003-01-07) column 8, line 20 - column 10, line 49 -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051126

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0209328	A	31-01-2002	AU 7972501 A	05-02-2002
			CN 1386341 T	18-12-2002
			WO 0209328 A1	31-01-2002
			EP 1249090 A1	16-10-2002
			JP 2004505496 T	19-02-2004
			US 2002059580 A1	16-05-2002
GB 2361136	A	10-10-2001	AU 4436401 A	15-10-2001
			CN 1381023 T	20-11-2002
			EP 1190386 A2	27-03-2002
			WO 0175794 A2	11-10-2001
			JP 2003529987 T	07-10-2003
			US 2002138734 A1	26-09-2002
US 2002028000	A1	07-03-2002	US 2002032864 A1	14-03-2002
			WO 02093823 A1	21-11-2002
			US 2002062382 A1	23-05-2002
			US 2002170966 A1	21-11-2002
			US 2002112165 A1	15-08-2002
			US 2002164053 A1	07-11-2002
			US 2002181736 A1	05-12-2002
			US 2002181737 A1	05-12-2002
			US 2003037075 A1	20-02-2003
			US 2003012403 A1	16-01-2003
			US 2003056104 A1	20-03-2003
			US 6522770 B1	18-02-2003
			US 2004153649 A1	05-08-2004
			US 2002018579 A1	14-02-2002
			US 2002159615 A1	31-10-2002
			US 2002176600 A1	28-11-2002
			US 2002172397 A1	21-11-2002
			US 2002181735 A1	05-12-2002
			AU 2295701 A	16-07-2001
			WO 0150665 A1	12-07-2001
			US 2003021441 A1	30-01-2003
			US 2003174861 A1	18-09-2003
			US 2003167173 A1	04-09-2003
			US 6505160 B1	07-01-2003
			US 2004128514 A1	01-07-2004
			AU 4851300 A	05-12-2000
			CA 2373511 A1	23-11-2000
			EP 1054335 A2	22-11-2000
			EP 1185967 A1	13-03-2002
			JP 2002544637 T	24-12-2002
			WO 0070585 A1	23-11-2000
			US 2001023193 A1	20-09-2001
			AU 5145700 A	05-12-2000
			CA 2373208 A1	23-11-2000
			EP 1208499 A1	29-05-2002
			JP 2002544627 T	24-12-2002
			WO 0070523 A1	23-11-2000
			US 6650761 B1	18-11-2003
			US 6311214 B1	30-10-2001
			US 2003040957 A1	27-02-2003
			US 6522769 B1	18-02-2003
			US 2004190750 A1	30-09-2004
			US 2002012443 A1	31-01-2002
			US 2001034705 A1	25-10-2001

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051126

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002028000 A1		US 2001053234 A1	20-12-2001
		US 2001044744 A1	22-11-2001
		US 2002016816 A1	07-02-2002
US 6505160 B1	07-01-2003	US 6122403 A	19-09-2000
		US 5862260 A	19-01-1999
		US 5841978 A	24-11-1998
		AU 3458101 A	07-08-2001
		AU 4745701 A	03-10-2001
		EP 1257931 A1	20-11-2002
		EP 1266475 A1	18-12-2002
		JP 2003524199 T	12-08-2003
		JP 2003528538 T	24-09-2003
		WO 0155889 A1	02-08-2001
		WO 0171960 A1	27-09-2001
		US 2003012403 A1	16-01-2003
		US 2003021441 A1	30-01-2003
		US 2003174861 A1	18-09-2003
		US 2003167173 A1	04-09-2003
		US 2004153649 A1	05-08-2004
		US 2001031066 A1	18-10-2001
		US 2001044899 A1	22-11-2001
		AU 2295701 A	16-07-2001
		WO 0150665 A1	12-07-2001
		US 2004128514 A1	01-07-2004
		US 2002032864 A1	14-03-2002
		US 2002028000 A1	07-03-2002
		AU 3008697 A	05-12-1997
		EP 1019868 A2	19-07-2000
		WO 9743736 A1	20-11-1997
		US 2002188841 A1	12-12-2002
		US 6229924 B1	08-05-2001
		US 6421070 B1	16-07-2002
		US 2003031341 A1	13-02-2003
		US 2003039377 A1	27-02-2003
		US 2003102660 A1	05-06-2003
		US 2003128861 A1	10-07-2003
		US 2004022444 A1	05-02-2004
		US 2004057581 A1	25-03-2004
		US 2003231785 A1	18-12-2003
		US 6408082 B1	18-06-2002
		US 6775392 B1	10-08-2004
		US 6553129 B1	22-04-2003
		US 6424725 B1	23-07-2002
		US 6681029 B1	20-01-2004
		US 2001055407 A1	27-12-2001
		US 2001017931 A1	30-08-2001
		US 2002090113 A1	11-07-2002
		US 2002136429 A1	26-09-2002
		US 2002164049 A1	07-11-2002
		US 2002186886 A1	12-12-2002
		US 2002186887 A1	12-12-2002
		US 2003033530 A1	13-02-2003
		US 2003091189 A1	15-05-2003